



# CALIFORNIA

## Agricultural Bulletin

**EDD** Employment  
Development  
Department  
State of California

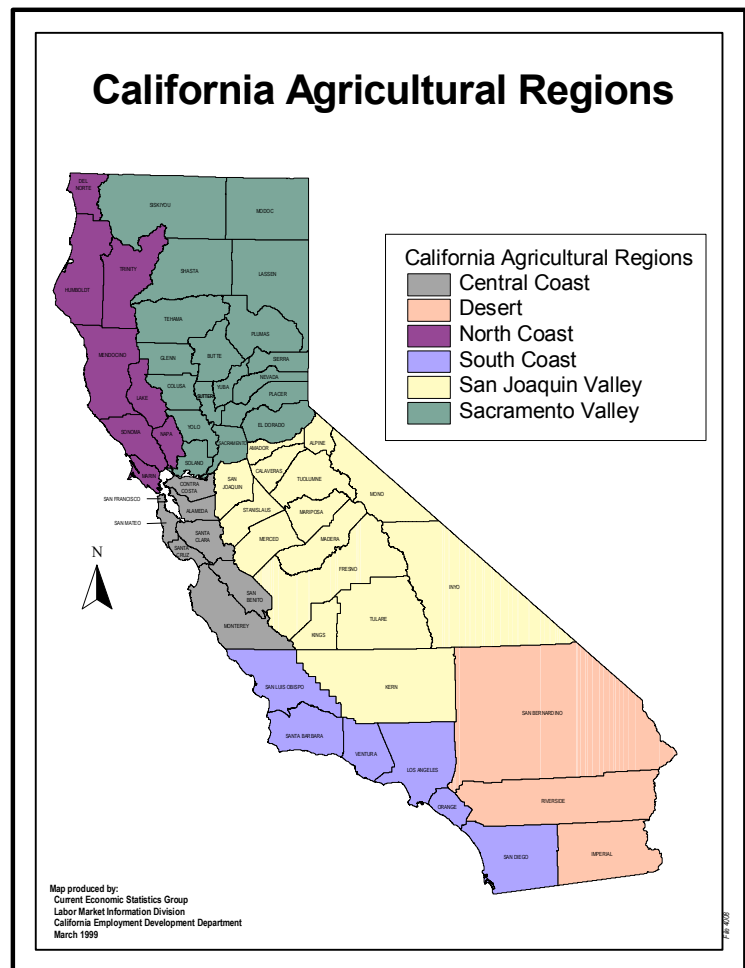
January 2002  
(Internet Version)

### In This Issue

Agricultural Overview	1
Summary	2
Agricultural Summary Charts	3
California Employment	4
Central Coast Employment	5
Desert Employment	6
North Coast Employment	7
South Coast Employment	8
San Joaquin Valley Employment	9
Sacramento Valley Employment	10
Data Notes	11

### Agricultural Overview

This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

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## Summary

### Employment

California's total agricultural employment for January 2002 decreased 19,700 jobs from the previous month, a loss of six percent. Total Agricultural Production decreased 1,600 jobs from December 2001 to January 2002, a loss of one percent. Agricultural Services decreased by 18,100 jobs, a loss of 13 percent. It is normal for California agricultural employment to register a decrease from December to January. The change in California agricultural employment from December 2000 to January 2001 was a decrease of 36,200 jobs.

Farm Labor Contractors registered the largest decrease for the month with a loss of 8,600 jobs. Market Preparation Services also registered a significant loss with a decline of 5,700. Grape crops posted the largest gain with an increase of 3,600 jobs. Total agricultural employment decreased 19 percent in the Central Coast Region, 17 percent in the Sacramento Valley Region, and nine percent in the San Joaquin Valley Region. Some regions registered increases for the month. Agricultural employment increased 19 percent in the North Coast Region, six percent in the South Coast Region, and three percent in the Desert Region.

### Production and Crop Activity

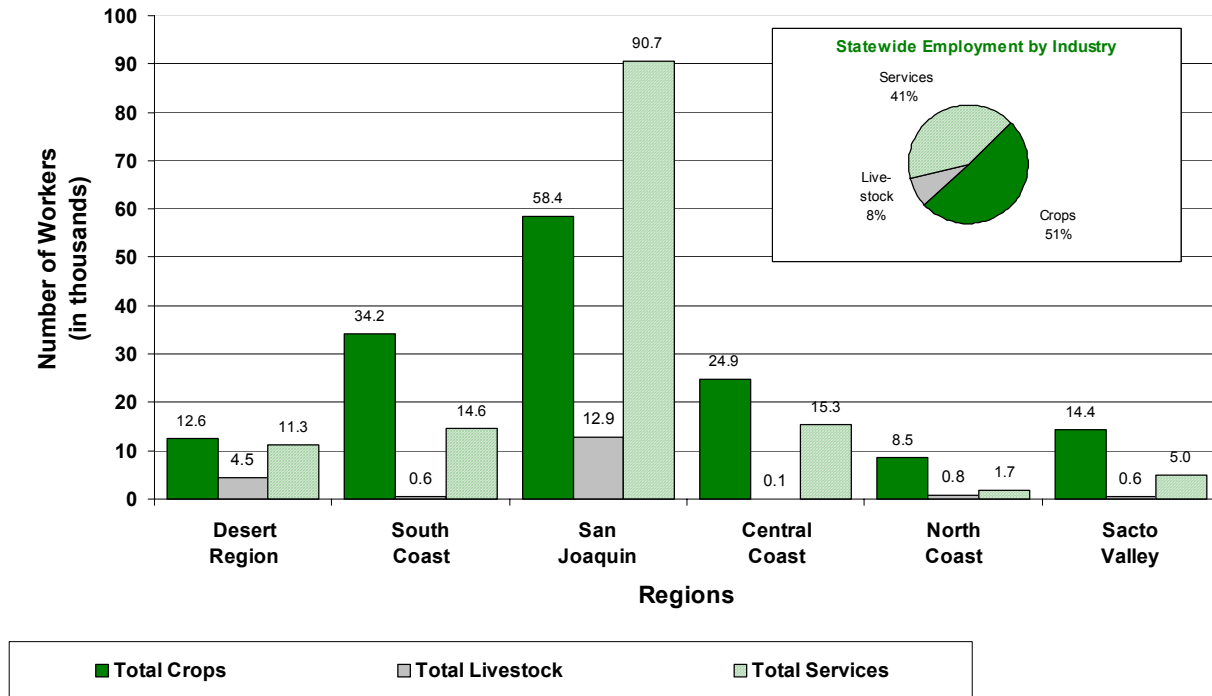
Field preparation and planting of small grains continued. Dry land grain and oat growers applied herbicides for weed control. The planting of new alfalfa, wheat, oat, and barley fields was ongoing. Some alfalfa fields were treated for weeds. Nearly all cotton fields were plowed down. Pre-plant herbicides were applied to fields in preparation for new crop cotton planting. Growers with already prepared fields awaited warm weather before planting corn, beans, and other field crops. The digging of bare root nursery stock was active. Ground was being prepared for new vegetable plantings. Fields were weeded, thinned, and irrigated as needed. Ground preparation for spring vegetable planting was ongoing. Squash and cucumber growers were placing plastic sheeting on beds. New fields of broccoli were planted with transplants. Aerial applications of herbicide were made to fields being prepared for tomato plantings. Lettuce fields were treated for insect and mildew control. The following vegetables were harvested: asparagus, broccoli, basil, bok choy, cabbage, carrots, cauliflower, celery, chili peppers, cilantro, collard greens, cucumbers, daikon, eggplant, green onions, kale, lettuce, mustard greens, parsley, radishes, radicchio, spinach, and turnips.

Seasonal cultural activities such as pruning, grafting, cultivating, and dormant spraying continued in orchards and vineyards. Crews were busily pruning and tying vines in grape vineyards. Brush was being shredded and disced. Grape growers cultivated, made herbicide applications, added soil amendments, and treated for insect pests. Grafting continued in vineyards and orchards. Ground preparation for new plantings was in progress. Cherry orchards were treated to promote an earlier, more uniform fruit set. Citrus growers irrigated and ran wind machines to protect fruit from frost damage. Weed control continued in citrus groves. The navel orange harvest was slowed by foggy and frosty conditions. Grapefruit picking continued in the desert and in the San Joaquin Valley. Lemon picking was active in central and southern California. Strawberry nursery stock digging and trimming continued. Nut growers were performing seasonal cultural activities such as pruning and spraying trees.

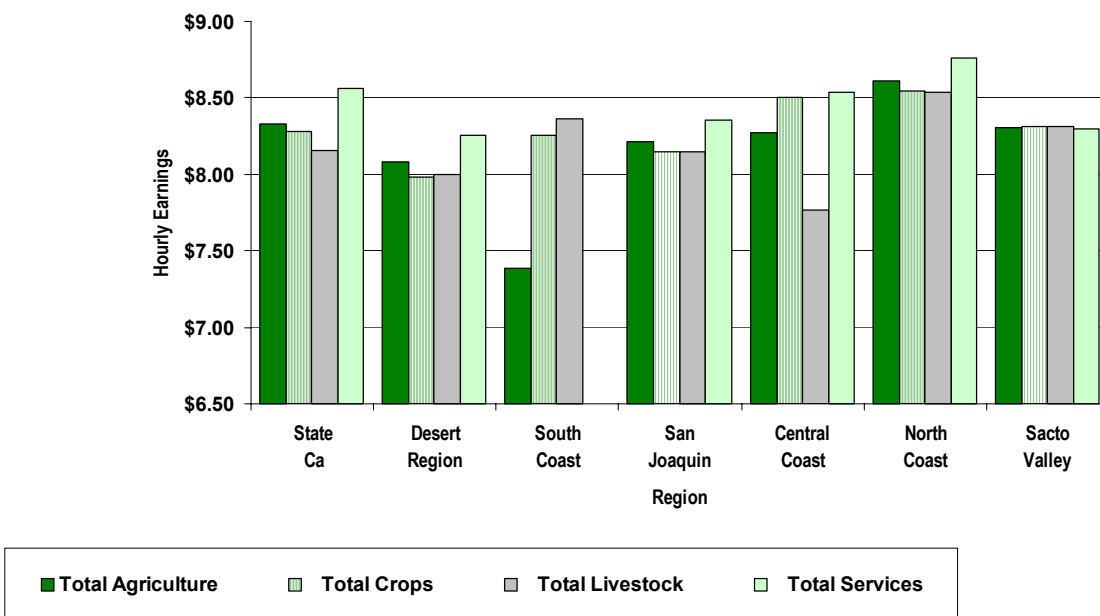
Some ranchers moved additional stocker cattle onto foothill pastures. Most calving and lambing activity was completed. Out-of-state bees were moved into central California for the upcoming almond pollination period.

# Agricultural Summary Charts

## Wage and Salary Workers



## Average Hourly Earnings



# CALIFORNIA AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Jan 2002	Dec 2001	Jan 2001
<b>Total Agriculture</b>	<b>291.4</b>	<b>311.1</b>	<b>298.2</b>
<b>Total Agricultural Production/Crops</b>	<b>147.3</b>	<b>153.0</b>	<b>150.3</b>
Cash Grains	0.6	2.2	1.6
Rice	0.2	1.5	1.0
Other Cash Grains	0.4	0.7	0.6
Field Crops Except Grains	8.6	11.0	7.1
Cotton	3.5	5.5	3.8
Other Field Crops	5.1	5.5	3.3
Vegetables and Melons	29.3	31.7	21.3
Total Fruits and Tree Nuts	60.3	56.5	64.8
Berries	9.0	7.8	7.4
Grapes	31.9	28.3	33.5
Tree Nuts	6.0	5.2	7.5
Citrus Fruits	2.2	2.7	3.6
Deciduous Tree Fruit	3.6	6.9	7.0
Other Fruits & Nuts	7.6	5.6	5.8
Total Horticultural Specialties	32.3	33.7	36.8
Ornamental Floral & Nursery	29.7	31.0	33.4
Food Crops Grown Under Cover	2.6	2.7	3.4
General Farm Primarily Crop	16.2	17.9	18.7
<b>Agricultural Production/Livestock</b>	<b>23.6</b>	<b>19.5</b>	<b>27.8</b>
Beef Cattle Feed Lots	0.3	0.9	0.7
Beef Cattle Except Feed Lots	2.1	1.5	3.3
Dairy Farms	12.2	11.4	15.8
Chicken Eggs	3.2	1.5	2.3
Turkey & Turkey Eggs	0.3	1.0	0.9
Other Livestock	5.5	3.2	4.8
<b>Total Agricultural Services</b>	<b>120.5</b>	<b>138.6</b>	<b>120.1</b>
Soil Preparation Services	1.5	1.2	1.1
Crop Services	31.2	40.9	32.3
Plant Cultivate & Protection	4.6	6.3	4.5
Harvest Primarily by Machine	1.6	3.4	3.1
Preparation Services for Market	23.6	29.3	23.6
Cotton Ginning	1.4	1.9	1.1
Total Farm Labor & Management	87.8	96.5	86.7
Farm Labor Contractors	77.4	86.0	77.2
Farm Management Services	10.4	10.5	9.5

## Average Hourly Earnings (In dollars per hour)

Industry	Jan 2002	Dec 2001	Jan 2001
<b>Total Agriculture</b>	<b>8.33</b>	<b>8.26</b>	<b>8.18</b>
<b>Total Agricultural Production/Crops</b>	<b>8.28</b>	<b>8.27</b>	<b>8.11</b>
Cash Grains	8.45	8.43	8.23
Rice	8.63	8.81	8.39
Other Cash Grains	8.26	8.06	8.06
Field Crops Except Grains	8.38	8.33	8.13
Cotton	8.36	8.25	8.13
Other Field Crops	8.40	8.42	8.13
Vegetables and Melons	8.31	8.36	8.13
Total Fruits and Tree Nuts	8.15	8.14	7.86
Berries	8.10	8.28	7.38
Grapes	7.99	8.19	7.99
Tree Nuts	8.04	7.91	7.84
Citrus Fruits	8.37	8.12	8.04
Deciduous Tree Fruit	7.95	7.89	7.66
Other Fruits & Nuts	8.46	8.46	8.26
Total Horticultural Specialties	8.27	8.25	8.30
Ornamental Floral & Nursery	8.41	8.35	8.31
Food Crops Grown Under Cover	8.14	8.16	8.30
General Farm Primarily Crop	8.14	8.11	8.02
<b>Agricultural Production/Livestock</b>	<b>8.16</b>	<b>8.04</b>	<b>8.09</b>
Beef Cattle Feed Lots	8.34	8.14	8.25
Beef Cattle Except Feed Lots	8.33	8.29	8.24
Dairy Farms	8.53	8.56	8.72
Chicken Eggs	7.67	7.41	7.48
Turkey & Turkey Eggs	7.86	7.67	7.62
Other Livestock	8.23	8.21	8.23
<b>Total Agricultural Services</b>	<b>8.56</b>	<b>8.47</b>	<b>8.35</b>
Soil Preparation Services	8.66	8.46	8.19
Crop Services	8.67	8.71	8.72
Plant Cultivate & Protection	8.55	8.52	8.60
Harvest Primarily by Machine	8.78	8.59	8.88
Preparation Services for Market	8.19	8.22	8.05
Cotton Ginning	9.16	9.50	9.33
Total Farm Labor & Management	8.35	8.23	8.13
Farm Labor Contractors	8.15	7.95	7.91
Farm Management Services	8.55	8.52	8.34

# CENTRAL COAST AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Jan 2002	Dec 2001	Jan 2001
<b>Total Agriculture</b>	<b>32.7</b>	<b>40.3</b>	<b>33.5</b>
<b>Total Agricultural Production/Crops</b>	<b>19.1</b>	<b>24.9</b>	<b>20.4</b>
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	1.3	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	1.3	0.2
Vegetables and Melons	6.4	8.5	7.2
Total Fruits and Tree Nuts	3.7	4.8	3.0
Berries	1.7	3.5	1.2
Grapes	0.3	0.6	1.1
Tree Nuts	0.0	0.0	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.3	0.1	0.4
Other Fruits & Nuts	1.4	0.6	0.1
Total Horticultural Specialties	8.7	9.0	9.0
Ornamental Floral & Nursery	6.6	6.9	6.9
Food Crops Grown Under Cover	2.1	2.1	2.1
General Farm Primarily Crop	0.3	1.3	1.0
<b>Agricultural Production/Livestock</b>	<b>0.8</b>	<b>0.1</b>	<b>1.0</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.3
Dairy Farms	0.4	0.0	0.1
Chicken Eggs	0.2	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.2	0.1	0.4
<b>Total Agricultural Services</b>	<b>12.8</b>	<b>15.3</b>	<b>12.1</b>
Soil Preparation Services	0.2	0.0	0.2
Crop Services	4.1	7.3	4.4
Plant Cultivate & Protection	0.0	0.0	0.4
Harvest Primarily by Machine	0.6	1.9	0.7
Preparation Services for Market	3.5	5.4	3.3
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	8.5	8.0	7.5
Farm Labor Contractors	5.6	6.3	6.3
Farm Management Services	2.9	1.7	1.2

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Jan 2002	Dec 2001	Jan 2001
<b>Total Agriculture</b>	<b>8.31</b>	<b>8.27</b>	<b>8.23</b>
<b>Total Agricultural Production/Crops</b>	<b>8.28</b>	<b>8.51</b>	<b>8.30</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	8.59	8.36
Cotton	na	na	na
Other Field Crops	na	8.59	8.36
Vegetables and Melons	8.70	8.77	8.27
Total Fruits and Tree Nuts	7.85	8.47	8.27
Berries	8.36	8.68	8.06
Grapes	6.20	8.19	8.57
Tree Nuts	na	na	8.46
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.12	8.25	7.95
Other Fruits & Nuts	8.70	8.74	8.33
Total Horticultural Specialties	8.51	8.43	8.59
Ornamental Floral & Nursery	8.69	8.54	8.72
Food Crops Grown Under Cover	8.32	8.32	8.46
General Farm Primarily Crop	8.08	8.28	8.03
<b>Agricultural Production/Livestock</b>	<b>7.94</b>	<b>7.77</b>	<b>8.01</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	8.24
Dairy Farms	8.61	na	8.74
Chicken Eggs	7.66	na	7.48
Turkey & Turkey Eggs	na	na	7.62
Other Livestock	7.56	7.77	7.95
<b>Total Agricultural Services</b>	<b>8.72</b>	<b>8.53</b>	<b>8.37</b>
Soil Preparation Services	8.89	na	8.26
Crop Services	8.69	8.68	8.57
Plant Cultivate & Protection	na	na	8.22
Harvest Primarily by Machine	8.99	8.78	9.15
Preparation Services for Market	8.38	8.57	8.34
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.58	8.39	8.27
Farm Labor Contractors	8.39	8.00	8.05
Farm Management Services	8.77	8.78	8.48

# DESERT AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Jan 2002	Dec 2001	Jan 2001
<b>Total Agriculture</b>	<b>29.3</b>	<b>28.4</b>	<b>33.6</b>
<b>Total Agricultural Production/Crops</b>	<b>14.2</b>	<b>12.6</b>	<b>13.6</b>
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	2.2	1.3	1.2
Cotton	0.0	0.0	0.1
Other Field Crops	2.2	1.3	1.1
Vegetables and Melons	2.9	4.5	3.8
Total Fruits and Tree Nuts	4.2	2.9	4.0
Berries	0.0	0.0	0.0
Grapes	3.2	2.3	2.2
Tree Nuts	0.2	0.2	0.1
Citrus Fruits	0.1	0.2	0.7
Deciduous Tree Fruit	0.5	0.0	0.1
Other Fruits & Nuts	0.2	0.2	0.9
Total Horticultural Specialties	1.6	2.7	1.7
Ornamental Floral & Nursery	1.2	2.7	1.6
Food Crops Grown Under Cover	0.4	0.0	0.1
General Farm Primarily Crop	3.3	1.2	2.8
<b>Agricultural Production/Livestock</b>	<b>2.2</b>	<b>4.5</b>	<b>5.3</b>
Beef Cattle Feed Lots	0.0	0.6	0.2
Beef Cattle Except Feed Lots	0.5	0.6	0.5
Dairy Farms	0.5	1.6	2.8
Chicken Eggs	0.6	1.2	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.6	0.5	0.6
<b>Total Agricultural Services</b>	<b>12.9</b>	<b>11.3</b>	<b>14.7</b>
Soil Preparation Services	0.3	0.0	0.1
Crop Services	4.1	3.2	4.1
Plant Cultivate & Protection	0.4	0.1	0.4
Harvest Primarily by Machine	0.2	0.1	0.6
Preparation Services for Market	3.2	3.0	2.8
Cotton Ginning	0.3	0.0	0.3
Total Farm Labor & Management	8.5	8.1	10.5
Farm Labor Contractors	8.3	6.3	9.4
Farm Management Services	0.2	1.8	1.1

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Jan 2002	Dec 2001	Jan 2001
<b>Total Agriculture</b>	<b>8.21</b>	<b>8.08</b>	<b>8.09</b>
<b>Total Agricultural Production/Crops</b>	<b>8.19</b>	<b>7.98</b>	<b>7.90</b>
Cash Grains	na	na	8.00
Rice	na	na	na
Other Cash Grains	na	na	8.00
Field Crops Except Grains	8.60	8.54	7.93
Cotton	na	na	8.10
Other Field Crops	8.60	8.54	7.76
Vegetables and Melons	8.04	7.74	7.90
Total Fruits and Tree Nuts	8.15	7.93	7.72
Berries	na	na	na
Grapes	8.26	7.92	7.31
Tree Nuts	7.86	7.31	7.31
Citrus Fruits	8.34	7.94	8.27
Deciduous Tree Fruit	7.79	na	7.25
Other Fruits & Nuts	8.49	8.56	8.48
Total Horticultural Specialties	7.79	7.72	7.95
Ornamental Floral & Nursery	7.80	7.72	7.62
Food Crops Grown Under Cover	7.77	na	8.27
General Farm Primarily Crop	8.36	7.98	7.91
<b>Agricultural Production/Livestock</b>	<b>7.99</b>	<b>8.00</b>	<b>8.04</b>
Beef Cattle Feed Lots	na	8.11	8.36
Beef Cattle Except Feed Lots	8.25	8.25	8.13
Dairy Farms	8.61	8.60	8.64
Chicken Eggs	7.37	7.35	7.08
Turkey & Turkey Eggs	na	na	na
Other Livestock	7.73	7.69	7.97
<b>Total Agricultural Services</b>	<b>8.44</b>	<b>8.25</b>	<b>8.35</b>
Soil Preparation Services	8.58	na	8.06
Crop Services	8.50	8.36	8.72
Plant Cultivate & Protection	8.37	8.15	8.39
Harvest Primarily by Machine	8.93	8.90	9.22
Preparation Services for Market	8.10	8.02	7.93
Cotton Ginning	8.61	na	9.35
Total Farm Labor & Management	8.24	8.15	8.26
Farm Labor Contractors	8.12	8.08	8.15
Farm Management Services	8.36	8.21	8.36

# NORTH COAST AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Jan 2002	Dec 2001	Jan 2001
<b>Total Agriculture</b>	<b>13.1</b>	<b>11.0</b>	<b>13.2</b>
<b>Total Agricultural Production/Crops</b>	<b>11.0</b>	<b>8.5</b>	<b>9.4</b>
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.0
Vegetables and Melons	2.9	3.5	0.1
Total Fruits and Tree Nuts	7.5	4.4	7.4
Berries	0.0	0.0	0.0
Grapes	6.7	4.2	6.5
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.2	0.2	0.7
Other Fruits & Nuts	0.6	0.0	0.1
Total Horticultural Specialties	0.5	0.5	1.6
Ornamental Floral & Nursery	0.5	0.5	1.4
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	0.1	0.1	0.3
<b>Agricultural Production/Livestock</b>	<b>1.2</b>	<b>0.8</b>	<b>1.7</b>
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.0	0.0	0.2
Dairy Farms	0.6	0.6	0.9
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.6	0.2	0.3
<b>Total Agricultural Services</b>	<b>0.9</b>	<b>1.7</b>	<b>2.1</b>
Soil Preparation Services	0.0	0.0	0.0
Crop Services	0.0	0.0	0.2
Plant Cultivate & Protection	0.0	0.0	0.1
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	0.9	1.7	1.9
Farm Labor Contractors	0.0	0.0	0.3
Farm Management Services	0.9	1.7	1.6

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Jan 2002	Dec 2001	Jan 2001
<b>Total Agriculture</b>	<b>8.62</b>	<b>8.61</b>	<b>8.35</b>
<b>Total Agricultural Production/Crops</b>	<b>8.53</b>	<b>8.54</b>	<b>8.34</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	na
Cotton	na	na	na
Other Field Crops	na	na	na
Vegetables and Melons	8.60	8.84	8.36
Total Fruits and Tree Nuts	8.60	8.62	8.38
Berries	na	na	na
Grapes	8.57	8.66	8.71
Tree Nuts	na	na	7.98
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.54	8.57	8.25
Other Fruits & Nuts	8.69	na	8.58
Total Horticultural Specialties	8.74	8.67	8.58
Ornamental Floral & Nursery	8.74	8.67	8.71
Food Crops Grown Under Cover	na	na	8.45
General Farm Primarily Crop	8.17	8.05	8.05
<b>Agricultural Production/Livestock</b>	<b>8.52</b>	<b>8.54</b>	<b>8.27</b>
Beef Cattle Feed Lots	na	na	8.37
Beef Cattle Except Feed Lots	na	na	8.07
Dairy Farms	8.21	8.36	8.58
Chicken Eggs	na	na	8.33
Turkey & Turkey Eggs	na	na	7.62
Other Livestock	8.82	8.71	8.66
<b>Total Agricultural Services</b>	<b>8.83</b>	<b>8.76</b>	<b>8.44</b>
Soil Preparation Services	na	na	na
Crop Services	na	na	8.37
Plant Cultivate & Protection	na	na	8.68
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	8.05
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.83	8.76	8.52
Farm Labor Contractors	na	na	8.19
Farm Management Services	8.83	8.76	8.84

# SOUTH COAST AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Jan 2002	Dec 2001	Jan 2001
<b>Total Agriculture</b>	<b>52.5</b>	<b>49.4</b>	<b>52.4</b>
<b>Total Agricultural Production/Crops</b>	<b>34.7</b>	<b>34.2</b>	<b>37.4</b>
Cash Grains	0.1	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.1	0.0	0.1
Field Crops Except Grains	1.0	1.2	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	1.0	1.2	0.2
Vegetables and Melons	5.5	7.1	6.0
Total Fruits and Tree Nuts	9.3	8.6	10.9
Berries	6.1	4.3	5.9
Grapes	0.9	1.5	2.1
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.6	1.1	1.3
Deciduous Tree Fruit	0.3	0.2	0.1
Other Fruits & Nuts	1.4	1.5	1.4
Total Horticultural Specialties	17.2	16.2	17.5
Ornamental Floral & Nursery	17.1	15.6	16.7
Food Crops Grown Under Cover	0.1	0.6	0.8
General Farm Primarily Crop	1.6	1.1	2.7
<b>Agricultural Production/Livestock</b>	<b>3.8</b>	<b>0.6</b>	<b>1.8</b>
Beef Cattle Feed Lots	0.1	0.0	0.0
Beef Cattle Except Feed Lots	0.5	0.2	0.3
Dairy Farms	0.5	0.0	0.1
Chicken Eggs	1.1	0.0	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.6	0.4	1.0
<b>Total Agricultural Services</b>	<b>14.0</b>	<b>14.6</b>	<b>13.2</b>
Soil Preparation Services	0.0	0.0	0.2
Crop Services	1.4	1.7	2.5
Plant Cultivate & Protection	0.6	0.5	0.4
Harvest Primarily by Machine	0.0	0.0	0.2
Preparation Services for Market	0.8	1.2	1.9
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	12.6	12.9	10.5
Farm Labor Contractors	8.7	10.8	9.1
Farm Management Services	3.9	2.1	1.4

## Average Hourly Earnings (In dollars per hour)

Industry	Jan 2002	Dec 2001	Jan 2001
<b>Total Agriculture</b>	<b>8.36</b>	<b>8.31</b>	<b>8.26</b>
<b>Total Agricultural Production/Crops</b>	<b>8.33</b>	<b>8.26</b>	<b>8.24</b>
Cash Grains	8.57	na	8.42
Rice	na	na	na
Other Cash Grains	8.57	na	8.42
Field Crops Except Grains	8.51	8.49	8.38
Cotton	na	na	na
Other Field Crops	8.51	8.49	8.38
Vegetables and Melons	8.16	8.33	8.19
Total Fruits and Tree Nuts	8.17	8.11	7.87
Berries	7.83	7.88	7.14
Grapes	8.55	8.46	8.02
Tree Nuts	na	na	7.73
Citrus Fruits	8.85	8.36	8.46
Deciduous Tree Fruit	7.17	7.25	7.25
Other Fruits & Nuts	8.44	8.62	8.64
Total Horticultural Specialties	8.46	8.25	8.22
Ornamental Floral & Nursery	8.59	8.51	8.36
Food Crops Grown Under Cover	8.32	7.99	8.08
General Farm Primarily Crop	8.09	8.10	8.35
<b>Agricultural Production/Livestock</b>	<b>8.34</b>	<b>8.37</b>	<b>8.25</b>
Beef Cattle Feed Lots	8.24	na	na
Beef Cattle Except Feed Lots	8.65	8.56	8.62
Dairy Farms	8.45	na	8.63
Chicken Eggs	8.07	na	7.42
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.31	8.17	8.34
<b>Total Agricultural Services</b>	<b>8.41</b>	<b>8.30</b>	<b>8.30</b>
Soil Preparation Services	na	na	8.18
Crop Services	8.50	8.44	8.69
Plant Cultivate & Protection	8.81	8.74	8.91
Harvest Primarily by Machine	na	na	9.15
Preparation Services for Market	8.19	8.13	8.01
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.32	8.17	8.02
Farm Labor Contractors	8.13	7.86	7.94
Farm Management Services	8.50	8.47	8.09

na = not available



# SAN JOAQUIN AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Jan 2002	Dec 2001	Jan 2001
<b>Total Agriculture</b>	<b>147.2</b>	<b>162.0</b>	<b>145.4</b>
<b>Total Agricultural Production/Crops</b>	<b>56.8</b>	<b>58.4</b>	<b>56.4</b>
Cash Grains	0.2	0.7	0.3
Rice	0.0	0.4	0.1
Other Cash Grains	0.2	0.3	0.2
Field Crops Except Grains	5.2	6.7	5.1
Cotton	3.5	5.5	3.7
Other Field Crops	1.7	1.2	1.4
Vegetables and Melons	9.6	5.8	3.6
Total Fruits and Tree Nuts	30.4	30.3	33.1
Berries	0.0	0.0	0.2
Grapes	20.8	19.5	20.6
Tree Nuts	3.6	3.3	4.8
Citrus Fruits	1.5	1.4	1.6
Deciduous Tree Fruit	1.6	3.6	3.5
Other Fruits & Nuts	2.9	2.5	2.4
Total Horticultural Specialties	3.0	3.2	4.1
Ornamental Floral & Nursery	3.0	3.2	4.0
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	8.4	11.7	10.2
<b>Agricultural Production/Livestock</b>	<b>14.6</b>	<b>12.9</b>	<b>16.5</b>
Beef Cattle Feed Lots	0.2	0.3	0.4
Beef Cattle Except Feed Lots	0.9	0.5	1.5
Dairy Farms	10.1	9.1	11.4
Chicken Eggs	1.3	0.3	0.5
Turkey & Turkey Eggs	0.3	1.0	0.7
Other Livestock	1.8	1.7	2.0
<b>Total Agricultural Services</b>	<b>75.8</b>	<b>90.7</b>	<b>72.5</b>
Soil Preparation Services	0.8	1.2	0.5
Crop Services	20.0	26.0	19.0
Plant Cultivate & Protection	3.1	5.1	2.8
Harvest Primarily by Machine	0.4	1.3	1.4
Preparation Services for Market	15.4	17.7	14.0
Cotton Ginning	1.1	1.9	0.8
Total Farm Labor & Management	55.0	63.5	53.0
Farm Labor Contractors	52.5	60.3	49.0
Farm Management Services	2.5	3.2	4.0

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Jan 2002	Dec 2001	Jan 2001
<b>Total Agriculture</b>	<b>8.26</b>	<b>8.21</b>	<b>8.13</b>
<b>Total Agricultural Production/Crops</b>	<b>8.14</b>	<b>8.14</b>	<b>8.06</b>
Cash Grains	8.01	8.32	8.16
Rice	na	8.77	8.52
Other Cash Grains	8.01	7.86	7.80
Field Crops Except Grains	8.40	8.28	8.24
Cotton	8.36	8.25	8.15
Other Field Crops	8.43	8.30	8.33
Vegetables and Melons	8.09	8.11	8.01
Total Fruits and Tree Nuts	8.07	8.02	7.50
Berries	na	na	7.13
Grapes	8.39	8.05	7.41
Tree Nuts	8.11	8.23	7.83
Citrus Fruits	7.93	8.06	7.39
Deciduous Tree Fruit	7.85	7.64	7.48
Other Fruits & Nuts	8.08	8.11	7.78
Total Horticultural Specialties	8.24	8.10	8.21
Ornamental Floral & Nursery	8.24	8.10	8.14
Food Crops Grown Under Cover	na	na	8.27
General Farm Primarily Crop	8.04	8.05	8.26
<b>Agricultural Production/Livestock</b>	<b>8.25</b>	<b>8.14</b>	<b>8.11</b>
Beef Cattle Feed Lots	8.43	8.16	8.02
Beef Cattle Except Feed Lots	8.26	8.03	8.30
Dairy Farms	8.85	8.87	9.02
Chicken Eggs	7.56	7.47	7.09
Turkey & Turkey Eggs	7.86	7.67	7.62
Other Livestock	8.56	8.66	8.59
<b>Total Agricultural Services</b>	<b>8.39</b>	<b>8.35</b>	<b>8.22</b>
Soil Preparation Services	8.49	8.46	8.29
Crop Services	8.69	8.55	8.62
Plant Cultivate & Protection	8.52	8.44	8.84
Harvest Primarily by Machine	8.46	8.18	8.54
Preparation Services for Market	8.07	8.08	7.79
Cotton Ginning	9.70	9.50	9.31
Total Farm Labor & Management	7.99	8.05	7.75
Farm Labor Contractors	7.69	7.73	7.44
Farm Management Services	8.29	8.37	8.05

# SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Jan 2002	Dec 2001	Jan 2001
<b>Total Agriculture</b>	<b>16.6</b>	<b>20.0</b>	<b>20.0</b>
<b>Total Agricultural Production/Crops</b>	<b>11.5</b>	<b>14.4</b>	<b>13.0</b>
Cash Grains	0.3	1.5	1.1
Rice	0.2	1.1	0.9
Other Cash Grains	0.1	0.4	0.2
Field Crops Except Grains	0.2	0.5	0.4
Cotton	0.0	0.0	0.0
Other Field Crops	0.2	0.5	0.4
Vegetables and Melons	2.0	2.3	0.6
Total Fruits and Tree Nuts	5.2	5.5	6.4
Berries	1.2	0.0	0.1
Grapes	0.0	0.2	1.0
Tree Nuts	2.2	1.7	2.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.7	2.8	2.2
Other Fruits & Nuts	1.1	0.8	0.9
Total Horticultural Specialties	1.3	2.1	2.8
Ornamental Floral & Nursery	1.3	2.1	2.8
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	2.5	2.5	1.7
<b>Agricultural Production/Livestock</b>	<b>1.0</b>	<b>0.6</b>	<b>1.5</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.2	0.2	0.5
Dairy Farms	0.1	0.1	0.5
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.7	0.3	0.5
<b>Total Agricultural Services</b>	<b>4.1</b>	<b>5.0</b>	<b>5.5</b>
Soil Preparation Services	0.2	0.0	0.1
Crop Services	1.6	2.7	2.1
Plant Cultivate & Protection	0.5	0.6	0.4
Harvest Primarily by Machine	0.4	0.1	0.2
Preparation Services for Market	0.7	2.0	1.5
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	2.3	2.3	3.3
Farm Labor Contractors	2.3	2.3	3.1
Farm Management Services	0.0	0.0	0.2

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Jan 2002	Dec 2001	Jan 2001
<b>Total Agriculture</b>	<b>8.36</b>	<b>8.31</b>	<b>8.10</b>
<b>Total Agricultural Production/Crops</b>	<b>8.24</b>	<b>8.31</b>	<b>7.91</b>
Cash Grains	8.42	8.55	8.15
Rice	8.63	8.84	8.26
Other Cash Grains	8.20	8.26	8.03
Field Crops Except Grains	8.06	8.17	7.81
Cotton	na	na	na
Other Field Crops	8.06	8.17	7.81
Vegetables and Melons	8.28	8.36	8.02
Total Fruits and Tree Nuts	8.21	8.02	7.67
Berries	8.10	na	7.18
Grapes	na	7.87	7.91
Tree Nuts	8.15	8.20	7.75
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.20	7.75	7.79
Other Fruits & Nuts	8.38	8.26	7.73
Total Horticultural Specialties	8.39	8.57	8.29
Ornamental Floral & Nursery	8.39	8.57	8.30
Food Crops Grown Under Cover	na	na	8.27
General Farm Primarily Crop	8.11	8.21	7.51
<b>Agricultural Production/Livestock</b>	<b>8.32</b>	<b>8.32</b>	<b>8.22</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.14	8.31	8.10
Dairy Farms	8.44	8.40	8.72
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.38	8.24	7.85
<b>Total Agricultural Services</b>	<b>8.53</b>	<b>8.30</b>	<b>8.17</b>
Soil Preparation Services	8.69	na	8.18
Crop Services	8.49	8.51	8.36
Plant Cultivate & Protection	8.51	8.74	8.58
Harvest Primarily by Machine	8.74	8.50	8.34
Preparation Services for Market	8.23	8.29	8.17
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.40	8.08	7.96
Farm Labor Contractors	8.40	8.08	7.71
Farm Management Services	na	na	8.21

## DATA NOTES

### Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12<sup>th</sup> calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

### Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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